

PROJECT DESCRIPTION

I. GENERAL

This project involves the reconstruction of the southeast corner of the intersection of MD 235 (Three Notch Road) and MD 4 (Patuxent Beach Road) in Saint Mary's County. A new 10 foot pedestal pole will be installed to replace the existing pedestal pole impacted by construction. MD 235 is assumed to run in a north-south direction.

II. INTERSECTION OPERATION

1. The intersection operates in a NEMA six phase fully-actuated mode with the MD 235 approaches running concurrently. The exclusive left turn phases for both approaches of MD 235 shall remain in operation. The MD 4 approaches shall continue to operate as a side street split phase. The countdown pedestrian phases with audible pushbutton actuation to cross the intersection at both approaches of MD 4 and the north leg of MD 235 shall remain in operation. The pre-emption phase for the northbound approach of MD 235 shall remain in operation.

2. The existing full traffic actuated, eight-phase controller with all necessary equipment housed in a NEMA "6" base-mounted cabinet and UPS battery backup system housed in a NEMA "5" base-mounted cabinet shall be maintained at this intersection.

NOTES

- For final pavement markings, refer to the pavement marking plans, as applicable; other than those detailed on the plan. All pavement markings shall be installed in accordance with MD MUTCD standards.
- All traffic signal foundations shall be installed at the final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections, to meet clearances as specified in the appropriate 800 series Standard Plates. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.
- The contractor shall maintain the continuous operation of all interconnect, vehicular, pedestrian detectors, and lighting devices. If any device is damaged by the contractor, it shall be repaired within 72 hours by the contractor at no cost to the Administration after notification by the Engineer.
- Location of Accessible Pedestrian Signal pushbuttons must meet location requirements of Maryland MUTCD section 4E.09 and figure 4E.2.; and the NCHRP publication, "Accessible Pedestrian Signals: Guide to Best Practice." If not met, the contractor is to stop work on pushbutton locations and notify the project engineer. If needed, a design waiver shall be obtained, and approved by the Director, Office of Traffic and Safety.
- Pushbuttons are to be located so that they can be activated by a person in a wheelchair from a 60 in. X 60 in. level landing area. A level landing area is and area with a cross slope of less than or equal to 2%.
- APS will function as follows:  
TO CROSS PATUXENT BEACH:  
A. When pedestrian locates and presses the push button for an extended time, the message will be "Wait to cross Patuxent Beach at Three Notch. Wait."  
B. When walk phase begins, the message will be a rapid tick which will last for the duration of the Walk phase.

CONTACTS

OFFICE OF TRAFFIC AND SAFETY:

MS. CORREN JOHNSON  
CHIEF, TRAFFIC OPERATIONS  
410-787-7630

VACANT  
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS  
410-787-7630

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CHIEF SIGNAL OPERATIONS SECTION  
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MR. EUGENE BAILEY  
CHIEF SIGN OPERATIONS  
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MR. MIKE STOCKER  
CHIEF SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)  
410-787-7696

DISTRICT (FIVE):

MR. LEE STARKLOFF  
DISTRICT ENGINEER  
470-841-1001

MS. KIMBERLY TRAN  
ASSISTANT DISTRICT ENGINEER, TRAFFIC  
410-841-1019

MR. JAMES FOLDEN  
ASSISTANT DISTRICT ENGINEER, CONSTRUCTION  
410-841-1031

MR. JOSEPH GECKLE  
ASSISTANT DISTRICT ENGINEER, MAINTENANCE  
410-841-1013

MR. MIKE HUBER  
UTILITY ENGINEER  
410-841-1039

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE ADMINISTRATION:

CAT. CODE	DESCRIPTION	UNITS	QUANTITY
973023	SHEET ALUMINUM SIGNS CONSISTING OF: R10-3 (1) (9"x15") POLE MOUNT	SF	1

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR:

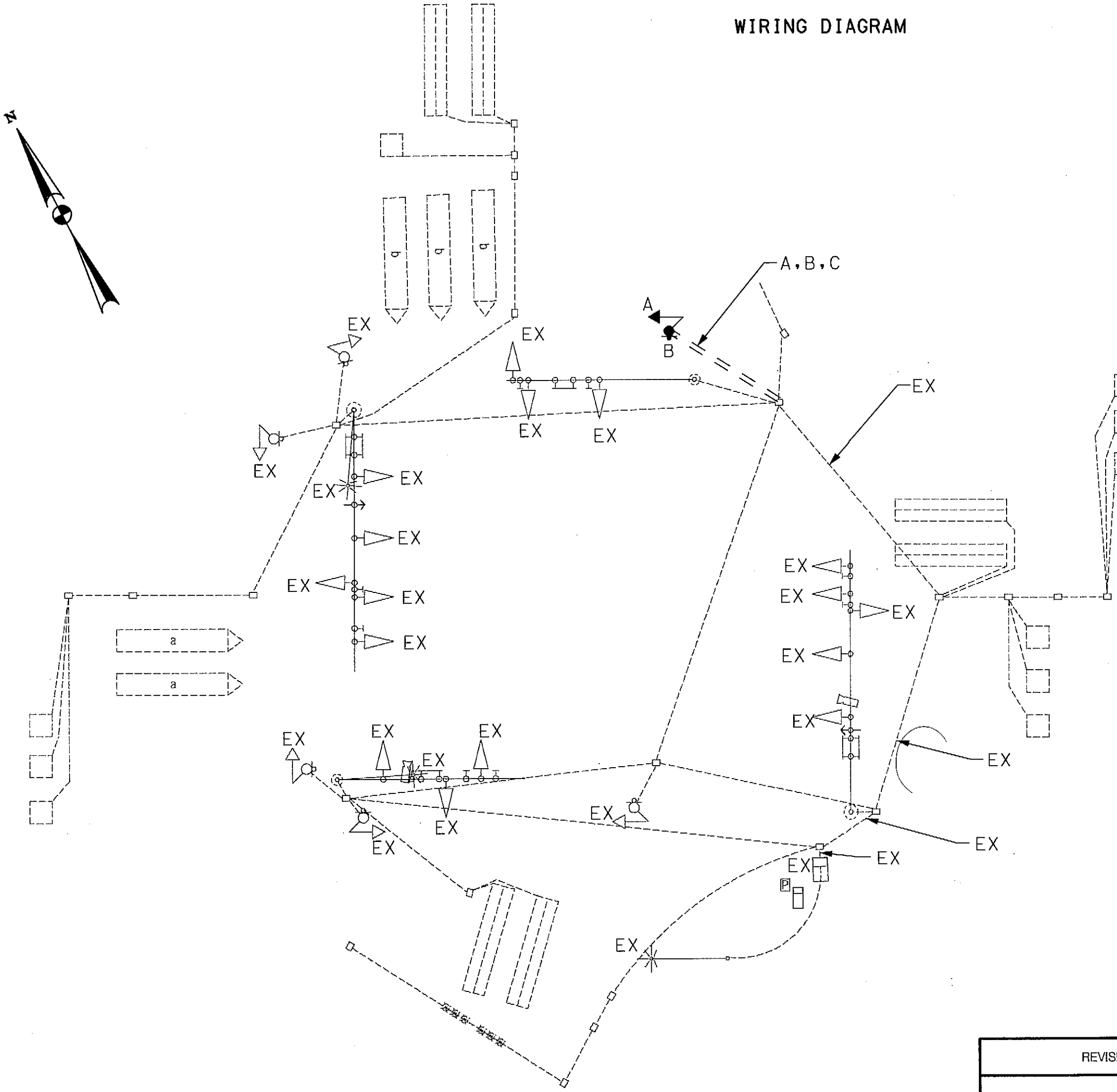
CAT. CODE	DESCRIPTION	UNITS	QUANTITY
203030	TEST PIT EXCAVATION	CY	1
585621	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES	LF	500
585625	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES	LF	40
801004	CONCRETE FOR SIGNAL FOUNDATIONS	CY	1
801607	INSTALL SHEET ALUMINUM SIGN	SF	1
805135	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED	LF	40
818004	10 FOOT BREAKAWAY PEDESTAL POLE	EA	1
822510	DISCONNECT, PULL-BACK AND REROUTE CABLES	LF	150
860285	16 INCH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD	EA	1
865210	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS	EA	1
873002	REMOVE AND DISPOSE OF EXISTING SIGNAL EQUIPMENT	LS	1

C. IF THE CABINET IS TO BE REMOVED SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

NO CHANGE

WIRING DIAGRAM



- A) EXISTING 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG) TO BE REROUTED
- B) EXISTING 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG) TO BE REROUTED
- C) EXISTING STRANDED COPPER GROUND WIRE (NO. 6 AWG) TO BE REROUTED
- EX) EXISTING SIGNAL CABLE



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 235 (THREE NOTCH ROAD) AND  
MD 4 (ST. ANDREWS CHURCH RD)/MD 4 (PAUXENT BEACH RD)  
CALIFORNIA, MARYLAND

GENERAL INFORMATION PLAN

SCALE N.T.S. ADVERTISED DATE DEC. 17, 2013 CONTRACT NO. SM2165176

DESIGNED BY W. FOLKERTS COUNTY SAINT MARY'S

DRAWN BY W. FOLKERTS LOGMILE 18023516.67

CHECKED BY J. WEAVER TMS NO. L905

F.A.P. NO. SEE TITLE SHEET TOD NO.

TS NO. 1637K DRAWING p5G OF N001 SHEET NO.  OF



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